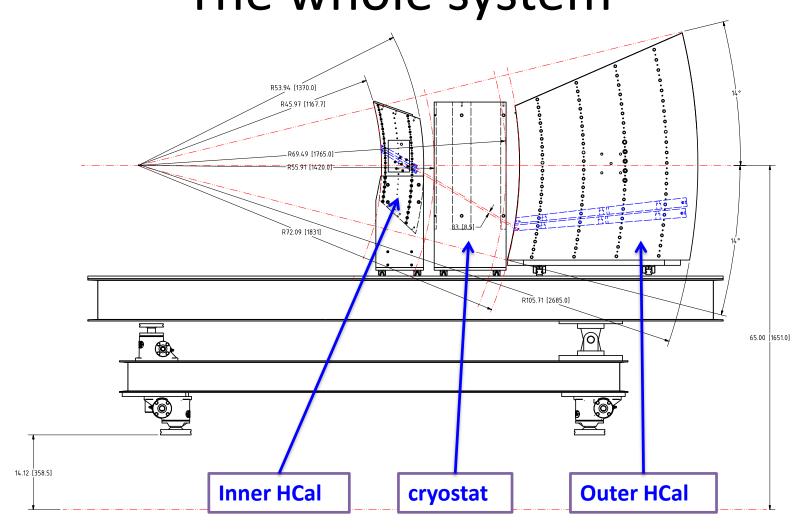
Hcal Prototype II Simulation (Status and Plan)

Xiaochun He and Murad Sarsour

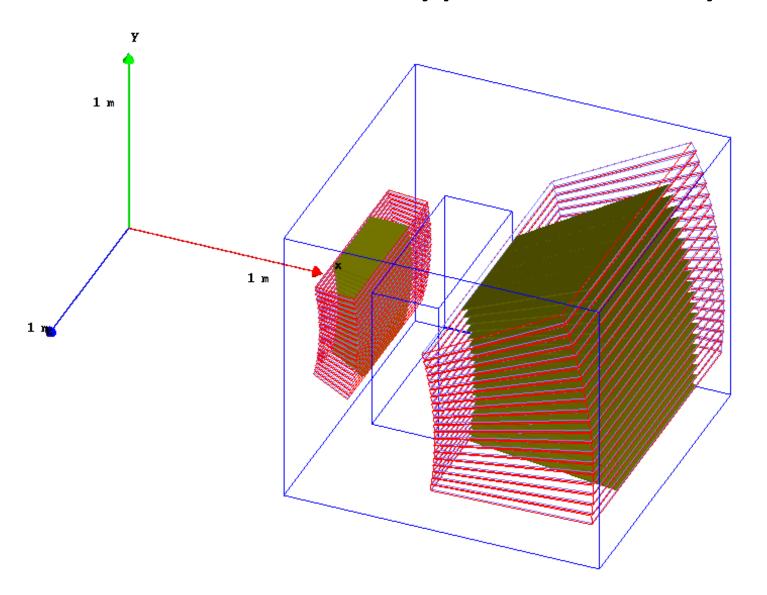
From the last presentation on Nov 24, 2015

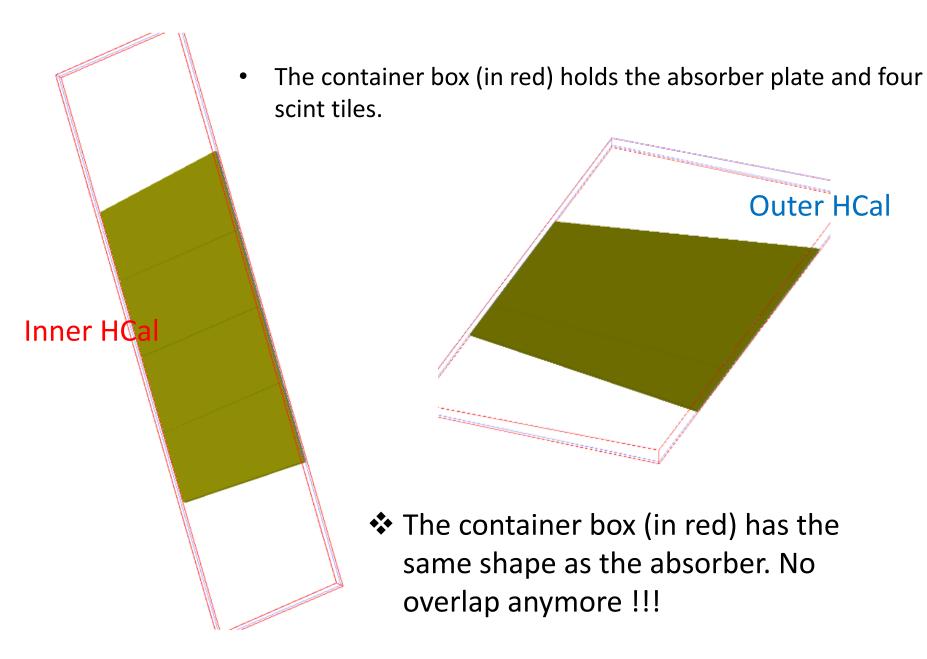
GEOMETRY UPDATE

Engineering Design
The whole system

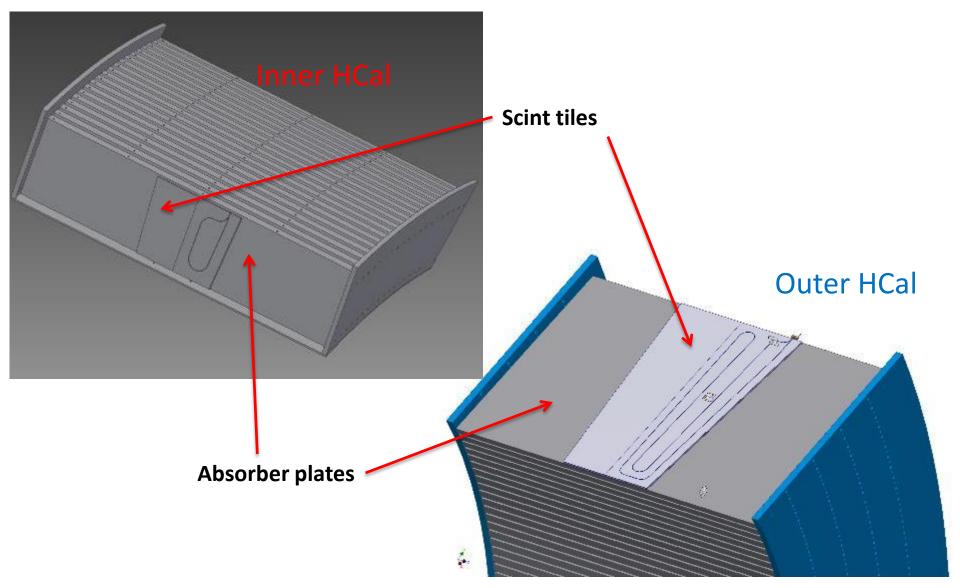


HCal 2nd Prototype Geometry

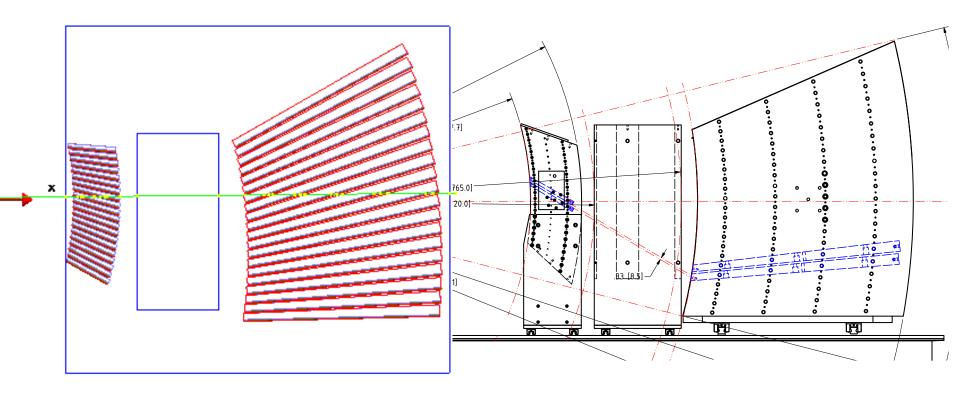




3D Rendering

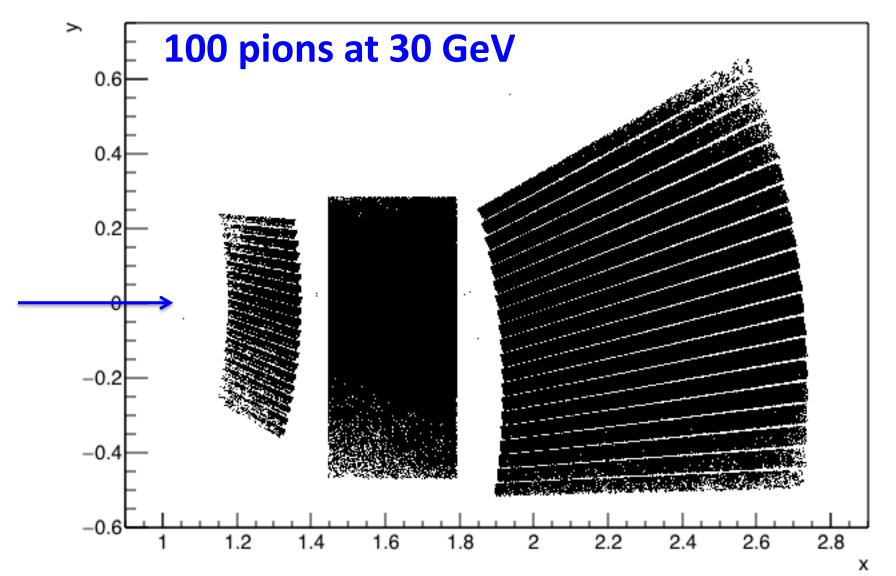


Geantinos?

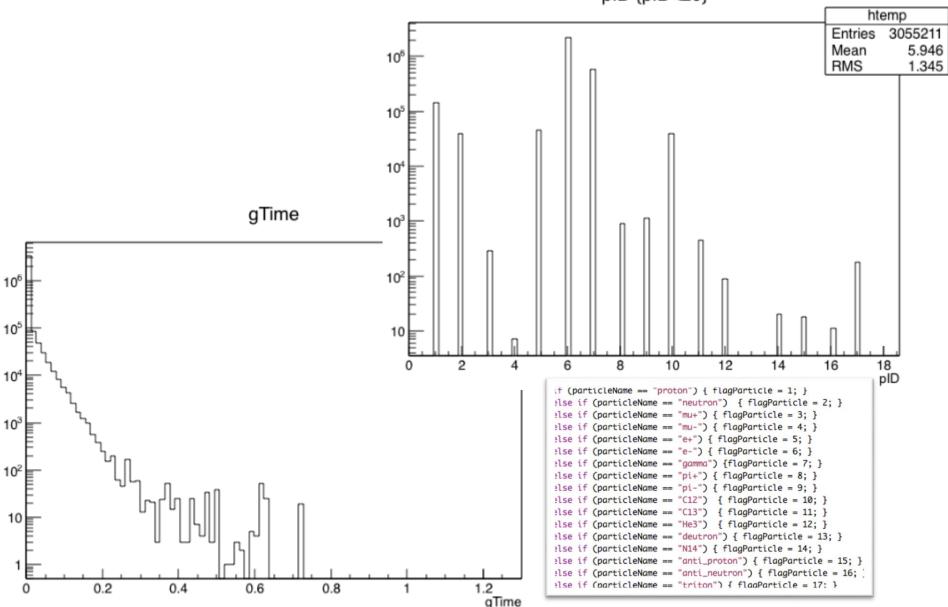


Shower Particle Originating Distribution

y:x {abs(y)<0.7}



Shower Particles from 30 GeV 100 pi



SIMULATION ANALYSIS IN SPHENIX FRAMEWORK

 Working on making similar analysis to that was done for the 1st prototype.

To do list

- Add EMCal prototype
- Repeat Protype-1 studies
- Trigger simulation
- Run plan
 - Orientation selection

– ...